

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/003516

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61K31/435 C07D215/22 C07D405/12 C07D409/12 C07D417/12
 C07D401/12 C07D417/14 A61P11/00 A61P29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
|------------|--|-----------------------|

| | | |
|---|--|------|
| X | WO 02/45703 A (NOVARTIS ERFIND VERWALT GMBH ; NOVARTIS AG (CH); CUENOUD BERNARD (GB);) 13 June 2002 (2002-06-13) Cpd. A (preparation 6) | 1-11 |
| X | WO 00/75114 A (NOVARTIS ERFIND VERWALT GMBH ; NOVARTIS AG (CH); BEATTIE DAVID (GB); B) 14 December 2000 (2000-12-14) Ex. 1-4, 7-10 | 1-11 |
| X | WO 93/18007 A (TOKYO TANABE CO) 16 September 1993 (1993-09-16) examples | 1-11 |
| X | US 4 460 581 A (FUEGNER ARMIN ET AL) 17 July 1984 (1984-07-17) Ex. 27, 40 | 1-11 |

-/--

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

20 August 2004

Date of mailing of the international search report

02/09/2004

Name and mailing address of the ISA
 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Fritz, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/003516

| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|--|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | PATENT ABSTRACTS OF JAPAN vol. 0082, no. 05 (C-243), 19 September 1984 (1984-09-19) & JP 59 093051 A (OTSUKA SEIYAKU KK), 29 May 1984 (1984-05-29) Cpds. 1,3,4,13 abstract | 1-11 |
| X | PATENT ABSTRACTS OF JAPAN vol. 0082, no. 05 (C-243), 19 September 1984 (1984-09-19) & JP 59 093052 A (OTSUKA SEIYAKU KK), 29 May 1984 (1984-05-29) Cpd. 4 abstract | 1-11 |
| X | YOSHIZAKI ET AL.: "Sympathomimetic Amines Having a Carbostyryl Nucleus" J. MED. CHEM., vol. 19, no. 9, 1976, pages 1138-1142, XP002291187 Cpd. 11 | 1-11 |
| X | EP 0 073 505 A (BOEHRINGER INGELHEIM KG) 9 March 1983 (1983-03-09) Table II, cpd. 5 Table III, cpd. 5 | 1-11 |
| X | PATENT ABSTRACTS OF JAPAN vol. 0092, no. 71 (C-311), 29 October 1985 (1985-10-29) & JP 60 120864 A (YOSHINARI HIGUCHI), 28 June 1985 (1985-06-28) abstract | 1-11 |
| X | PATENT ABSTRACTS OF JAPAN vol. 0062, no. 61 (C-141), 21 December 1982 (1982-12-21) & JP 57 154129 A (OTSUKA SEIYAKU KK), 22 September 1982 (1982-09-22) abstract | 11 |
| X | PATENT ABSTRACTS OF JAPAN vol. 0010, no. 45 (C-011), 4 May 1977 (1977-05-04) & JP 52 000282 A (OTSUKA PHARMACEUT CO LTD), 5 January 1977 (1977-01-05) abstract | 11 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/003516

| Information on patent family members | | | | Publication date | |
|--|---|------------------|-------------------------|------------------|------------------|
| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
| WO 0245703 | A | 13-06-2002 | AU | 1708202 A | 18-06-2002 |
| | | | BR | 0115910 A | 20-01-2004 |
| | | | CA | 2427282 A1 | 13-06-2002 |
| | | | CN | 1477963 T | 25-02-2004 |
| | | | CZ | 20031537 A3 | 15-10-2003 |
| | | | WO | 0245703 A2 | 13-06-2002 |
| | | | EP | 1341542 A2 | 10-09-2003 |
| | | | HU | 0302571 A2 | 28-11-2003 |
| | | | JP | 2004514739 T | 20-05-2004 |
| | | | NO | 20032510 A | 03-06-2003 |
| | | | SK | 6502003 A3 | 02-12-2003 |
| | | | US | 2004038951 A1 | 26-02-2004 |
| WO 0075114 | A | 14-12-2000 | AU | 765919 B2 | 02-10-2003 |
| | | | AU | 5074500 A | 28-12-2000 |
| | | | BR | 0011324 A | 05-03-2002 |
| | | | CA | 2375810 A1 | 14-12-2000 |
| | | | CN | 1353692 T | 12-06-2002 |
| | | | CZ | 20014301 A3 | 13-03-2002 |
| | | | WO | 0075114 A1 | 14-12-2000 |
| | | | EP | 1183240 A1 | 06-03-2002 |
| | | | HU | 0201658 A2 | 28-08-2002 |
| | | | JP | 2003501417 T | 14-01-2003 |
| | | | NO | 20015912 A | 21-01-2002 |
| | | | NZ | 515669 A | 30-01-2004 |
| | | | PL | 352100 A1 | 28-07-2003 |
| | | | SK | 17432001 A3 | 04-06-2002 |
| | | | TR | 200103497 T2 | 21-05-2002 |
| | | | ZA | 200109931 A | 05-06-2002 |
| WO 9318007 | A | 16-09-1993 | AU | 3648793 A | 05-10-1993 |
| | | | WO | 9318007 A1 | 16-09-1993 |
| US 4460581 | A | 17-07-1984 | PH | 21222 A | 21-08-1987 |
| JP 59093051 | A | 29-05-1984 | JP | 1288535 C | 14-11-1985 |
| | | | JP | 60010032 B | 14-03-1985 |
| JP 59093052 | A | 29-05-1984 | JP | 1288536 C | 14-11-1985 |
| | | | JP | 60010033 B | 14-03-1985 |
| EP 0073505 | A | 09-03-1983 | DE | 3134590 A1 | 10-03-1983 |
| | | | AR | 231976 A1 | 30-04-1985 |
| | | | AR | 231977 A1 | 30-04-1985 |
| | | | AT | 16703 T | 15-12-1985 |
| | | | AU | 553589 B2 | 24-07-1986 |
| | | | AU | 8787482 A | 10-03-1983 |
| | | | CA | 1180012 A1 | 25-12-1984 |
| | | | CS | 236679 B2 | 15-05-1985 |
| | | | DD | 204477 A5 | 30-11-1983 |
| | | | DE | 3267702 D1 | 09-01-1986 |
| | | | DK | 389082 A ,B, | 02-03-1983 |
| | | | EP | 0073505 A1 | 09-03-1983 |
| | | | ES | 8308318 A1 | 16-11-1983 |
| | | | ES | 8402279 A1 | 16-04-1984 |
| | | | ES | 8405778 A1 | 01-10-1984 |
| | | | FI | 822985 A ,B, | 02-03-1983 |
| | | | GB | 2106105 A ,B | 07-04-1983 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/003516

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| EP 0073505 | A | GR 77275 A1 | 11-09-1984 |
| | | HU 186112 B | 28-06-1985 |
| | | IE 53615 B1 | 21-12-1988 |
| | | JP 1639639 C | 18-02-1992 |
| | | JP 3005392 B | 25-01-1991 |
| | | JP 58052278 A | 28-03-1983 |
| | | KR 8900380 B1 | 15-03-1989 |
| | | NO 822932 A ,B, | 02-03-1983 |
| | | NZ 201777 A | 30-08-1985 |
| | | PL 238077 A1 | 09-04-1984 |
| | | PT 75478 A | 01-09-1982 |
| | | SU 1149876 A3 | 07-04-1985 |
| | | YU 194982 A1 | 31-12-1984 |
| | | ZA 8206349 A | 25-04-1984 |
| JP 60120864 | A | 28-06-1985 | JP 1304078 C |
| | | | 28-02-1986 |
| | | | JP 51128982 A |
| | | | 10-11-1976 |
| | | | JP 60026784 B |
| | | | 25-06-1985 |
| | | | JP 1376213 C |
| | | | 22-04-1987 |
| | | | JP 61039288 B |
| | | | 03-09-1986 |
| | | | JP 1355286 C |
| | | | 24-12-1986 |
| | | | JP 60120865 A |
| | | | 28-06-1985 |
| JP 57154129 | A | 22-09-1982 | JP 61017826 B |
| | | | 09-05-1986 |
| | | | JP 1376214 C |
| | | | 22-04-1987 |
| | | | JP 60120866 A |
| | | | 28-06-1985 |
| | | | JP 61039306 B |
| | | | 03-09-1986 |
| | | | JP 1355287 C |
| | | | 24-12-1986 |
| | | | JP 60120867 A |
| | | | 28-06-1985 |
| | | | JP 61017827 B |
| | | | 09-05-1986 |
| JP 52000282 | A | 05-01-1977 | JP 1053248 B |
| | | | 13-11-1989 |
| JP 52000282 | A | 05-01-1977 | JP 1570056 C |
| | | | 10-07-1990 |
| JP 52000282 | A | 05-01-1977 | JP 1231456 C |
| | | | 26-09-1984 |
| JP 52000282 | A | 05-01-1977 | JP 59007707 B |
| | | | 20-02-1984 |